Claims:

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Tissue factor protein essentially free of substances with which it is associated in its in vivo physiological milieu.

- 2. Tissue factor protein unaccompanied by associated native glycosylation.
- 3. The tissue factor protein of claim 1 that is human tissue factor protein.

Tissue factor protein wherein a predetermined amino acid residue is substituted, inserted or deleted.

- 5. The tissue factor protein of claim 4 wherein the transmembrane domain is deleted.
- 6. The tissue factor protein of claim 3 having the mature tissue factor protein amino acid sequence of Figure 2 in which an amino acid has been inserted, deleted or substituted.
- 7. The tissue factor protein of claim 6 wherein an arginine or lysine residue has been deleted or substituted by another residue other than lysine or arginine.
- 8. The tissue factor protein of claim & wherein the amino acid residues about 221 to 241 are deleted.
- 9. A DNA isolate comprising a DNA sequence encoding tissue factor protein.

10 The isolate of claim 9 wherein the DNA is free of introns.

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The DNA isolate of claim 9 wherein said DNA sequence codes for a polypeptide having the amino acid sequence shown in Figure 2. 12. recombinant expression vector comprising DNA encoding tissue factor protein of claim 3. 13. A cell transformed with the recombinant expression vector of claim 12. The cell of claim 13 which is a mammalian cell. 14. 15. A process for producing tissue factor protein which comprises constructing an expression vector which comprises encoding tissue factor protein of claim 3, transforming a host cell with the vector and culturing the transformed cell. The process according to claim 15 wherein the host cell is a 16. eukaryotic cell. The process of claim 16 wherein the eukaryotic cell is a 17. mammalian cell. The process of claim wherein the mammalian cell is a human 18. embryonic kidney cell. A pharmaceutical composition useful for the treatment of 19.

coagulation disorders comprising a therapeutically effective amount of tissue factor protein of claim 3 and a

pharmaceutically acceptable\carrier.

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